## (19) World Intellectual Property Organization

International Bureau



## - 1 (EDDIE DINKERI II DIEKO TOUR EDIN DENI DENI BENI DENI BENE NOEK HOEK KAND DIN DENEMBER 1991 KANDERA

(43) International Publication Date 31 December 2003 (31.12.2003)

PCT

## (10) International Publication Number WO 2004/001165 A1

(51) International Patent Classification<sup>7</sup>: 15/14

E05B 27/00,

(21) International Application Number:

PCT/IL2003/000523

(22) International Filing Date: 19 Jun

19 June 2003 (19.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

150362

20 June 2002 (20.06.2002)

(71) Applicant (for all designated States except US): MUL-T-LOCK TECHNOLOGIES LTD. [IL/IL]; Mul-T-Lock Park, P.O. Box 465, 81104 Yavne (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ALMOZNINO, Rami [IL/US]; 12-56 Tanis Place, Fair Lawn, NJ 07410 (US).

(74) Agents: SANFORD T. COLB & CO. et al.; P.O. Box 2273, 76122 Rehovot (IL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

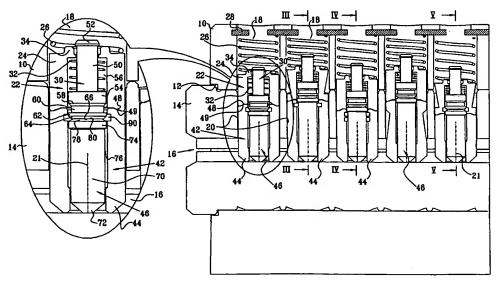
(84) Designated States. (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PICK RESISTANT LOCK



(57) Abstract: An anti-picking cylinder lock including a lock body (10), a plug (14) defining a keyway (16), a plurality of telescopic body pin assemblies (22), each of the telescopic body pin assemblies (22) including an outer body pin (24) and an inner body pin (30) and a plurality of telescopic plug pin assemblies (42), each of the telescopic plug pin assemblies (42) including an outer plug pin (44) and an inner plug pin (46), characterized in that at least one of the outer plug pins and the outer body pins is formed with at least one inner facing recess (90) configured and arranged such that upon attempted picking of the lock, a portion of at least one of the inner plug pins (46) and the inner body pins (30) tends to engage the at least one recess (90), thus causing at least one of the inner plug pins (46) and the inner body pins (30) to move together in at least one direction.

